Chandan Kumar Ghosh

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Projects: <http://github.com/chandanghosh>

**Skill Set**

**Technical**

Operating Systems : Windows 2003 Server & XP, Windows 7, 8, 10
Database : MS SQL Server 2005/2008
Prog. Languages : T SQL, C, C#, Visual Basic.Net

Productivity Tools : Microsoft Office SharePoint 2007/2010/2013
Script Languages : Flash Action Script, Director 8.5 Lingo Script, Java Script
Markup Languages : HTML, DHTML
Multimedia Software : Flash 5.0, Photoshop 6.0, Director 8.5, Sound Forge XP,
Framework : DOTNET CORE, ASP.NET CORE,.NET 2.0/3.5/4, WCF, Silverlight 4, Entity Framework (Code First)

Web Server Platform : IIS6.0/IIS7.0/IIS7.5/IIS8
SD Platform : Rational Rose

Test Tool : Visual Studio 2008 Team System Application Center Testing Tool

Software Development Proj. Management : VSS2005/TFS 2010/TFS2013/TFS2015

Designing Tool : MS Visio 2007

Development Tool : Visual Studio 2017/2015/2013 Ultimate/2008 Professional, Adobe Dream Weaver CS3

**Career Highlights**

**March’2014 - Till date with Ericsson Global India Pvt, Ltd. (**[**www.ericsson.com**](http://www.ericsson.com) **), Kolkata as Solution Architect.**

**October’2010 – February’2014 with PricewaterhouseCoopers Pvt. Ltd (**[**www.pwc.com**](http://www.pwc.com) **), Kolkata as Senior Consultant.**

**October’2009 - October 2010 with Religare Securities Ltd** **(**[**www.religare.in**](http://www.religare.in)**), Noida as Sr. Software Engineer.**

**July’2007 - 9th October, 2009 with Accenture Services Pvt Ltd** **(**[**www.accenture.com**](http://www.accenture.com) **), Hyderabad as Software Engineer (**Senior Programmer**).**

**Projects**

**14. Info Service**

Info Service is a subscription service for Ericsson internal newsletters and articles. This has been undergoing a major upgrade to **ASP.NET CORE** for cloud ready cost efficient, highly performant application needs. The application is developed using **ASP.NET CORE 2.0**, **Entity Framework Core 2.0**, **SQL Server 2017**, **Bootstrap 4.0, Angular 2**. The site has been hosted in App service with SQL Server Service in Azure as well.

 **Roles:**

* Solution Architect & Lead Developer
	+ Creating solution architecture based out of **DDD**
	+ Utilizing latest bleeding edge technology ASP.NET Core and .NET core platform
	+ Leveraging the cost efficient deployment scenarios in Linux, containers
	+ Making it cloud ready
	+ Convert to **Progressive Web App** to use as Android app and windows standalone app.
	+ Redefining based on **SOLID** principles for better maintainability
	+ Using existing database to generate Entities and domain models and then follow the code first approach for DB versioning and migrations
	+ CI & CD pipeline to continuous development and deployment to Windows Azure app service.

Team Size: 3

Client: Ericsson Sweden

Duration: 1 year and counting

**14. Ericsson.com**

Ericsson.com is powered by very well-known EPiServer CMS 9. The corporate web site has been thoroughly customized, designed and developed in this CMS. Hosted in Windows Azure app service backed by SQL Server service for database and azure storage for blobs and table storage.

 **Roles:**

* Azure developer and Configurator for the EPiServer DXC setup
	+ Creating app service
	+ Creating SQL Server for hosting MS SQL Database for EPiServer
	+ Managing Fire wall rules for allowing TCP connections from clients while developing and testing from local machines
	+ creating SQL database for dev and test workloads
	+ azure service bus for events, message processing
	+ Azure blobs for storing images, media, assets, scheduled backups etc.
	+ Storage Accounts managements
	+ Resource group configurations
* EPiServer CMS developer
	+ Working in page types
	+ Working in block types
	+ Working on forms
	+ Developing and configuring scheduled jobs
	+ Working in Epi Find CMS API
* Configuration Management for managing all the releases and Continuous Integration via TFS 2017 in DevOps pipeline
* Configuring Epi Find for content indexing and search powered by elastic search
* Designing and Developing prototypes of new ideas in the Epi Server.
* Working on upgrading to CMS 10.10
* Work as a team lead and manage client communication, dealing with Epi operations for deployments etc.
* Work on production issues, troubleshooting critical application performance problems.

Team Size: 4

Client: Ericsson Sweden

Duration: 10 moths and counting

**13. METIS**

**METIS** is a single page application (SPA) developed on top of SharePoint 2010 Server & FAST SEARCH SERVER 2010. This application is a knowledge repository system developed to help Ericsson network engineers to work on networking and communication systems and using the application as a knowledge base and references for the issues they face while facing any complicated issues. They can create or extend any exiting knowledge base, improve them or give feedbacks if the knowledge base is excellent, good, bad or not complete. They can even search knowledge base articles based on phrases, strings, different criteria. The search is powered by FAST Search for SharePoint 2010. Hence provides all the goodness of refiners, advanced search criteria, relevancies etc. which helps the engineers to find and get the correct results to work with always.

**Role**: Developer Lead, Application Developer, FAST Search Expert & SharePoint Administration

**Platform:** Windows Server 2012 R2, IIS8.5, Microsoft Office SharePoint 2010 Technologies, FAST SEARCH Server 2010, SQL Server 2012 R2.

 **Responsibilities**:

My Responsibilities involved from Requirement analysis to Application development to administration to managing and helping the development team functionally and technically whenever required.

**As SharePoint Developer/Administrator:**

* SharePoint Fast Search Server 2010 Integration via FAST Content Service Application and Query Service Application
* Writing Components for Generating FQL to query against Indexes.
* Overriding FAST Query Indexing pipeline to index based on role sets
* Managing and Monitoring FAST Search crawl and indexing via SharePoint Administration interfaces and via FAST Search PowerShell command line interface.
* Creating Managed Properties and Crawled Properties for indexing needs
* Using Entity Framework develop BCS to fetch and crawl contents and index them
* Using search.asmx for consuming and returning search results based on boost values, refiners and filters
* Working on regular application pages, JSOM with knockout to create the search driven application

**Team Size:** 5

**Client:** Ericsson, Sweden

Duration: 1yr and counting

**12. EriCOLL**

**Eri**csson **Coll**aboration is one of the biggest collaboration platform used across Ericsson in all territories. The platform is built on top of SharePoint 2010 and DB size is above 50TB+ having 1,50000+ site collection.

At present EriCOLL is also undergoing migration to EriCOLL 3.0(SharePoint 2013) as well.

**Role**: Solution Lead, Application Developer & SharePoint Administration

**Platform:** Windows Server 2008 R2, IIS7.5, Microsoft Office SharePoint 2010 Technologies, SQL Server 2012 R2.

 **Responsibilities**:

My Responsibilities involved from Solution Architect to Application development to administration.

**As Architect:**

* Managing platform governance & hygiene.
* Implementing server & farm monitoring for better managing the farm.
* Finding automation areas and creating the proposals to the business for reducing human dependencies and error.
* Creating new opportunities and contributing business value.
* Improving the platform performance & availability
* Initiative on cross-skilling and team learning.
* Solution designing and architecting the framework of EriCOLL.
* Code Remediation drive for robust, clean and stable code in the framework.
* Drive farm building activity which include configuring network load balancer (BIG IP), DNS entry mapping, setting AAM and Zones for intranet, internet access, Kerberos with integrated windows authentication, configuring SPNs, implementing ADFS, Site Minder, service configurations, FAST Search configurations etc.
* Drive Service pack 2 upgrade for this huge farm.
* Working on EriCOLL 3.0 solutions and migrations.
* Worked in EriCOLL & EriDoc integration project to make it a success.

**As SharePoint Developer/Administrator:**

* Performance tuning and Stability improvements in framework.
* Code remediation activities for highest availability.
* Worked in creating/customizing SharePoint Ribbons, SharePoint Timer Jobs, creating service architecture instead of using SharePoint Service Factory and web configuration changes.
* Created several SharePoint OOB and custom workflows for business requirements.
* Worked on classic and visual web parts, sandboxed solutions.
* Have a good working understanding in JSOM, CSOM.
* Worked on regular SharePoint administrative tasks like backup/restoring site collection/sub sites.
* Taking the site templates to create new site with the same look and feel.
* Developed custom lists from list definitions xml, Web Parts etc. in visual studio.
* Scheduled maintenance, bug fixings in Share Point.
* Working on APP Models (SharePoint & Provider Hosted) for EriCOLL 3.0 migrations.

**Team Size:** 8

**Client:** Ericsson, Sweden

Duration: 2yrs and counting

**10. Smart Request System**

This project involves creating an approval mechanism for document templates used in SMART add-in used in Word, PowerPoint and excel. All the contents get served from SharePoint 2010 portal and through SharePoint rest web service calls. An automated approval workflow triggers when new contents to be uploaded and gets approved by concerned teams before it gets ready for sync in client machines.

**Role**: Application Developer & SharePoint Administrator

**Platform:** Windows Server 2008 R2, IIS7.5, Microsoft Office SharePoint 2010 Technologies, SQL Server 2008.

 **Responsibilities**:

My Responsibilities involved from Application development to administration.

**As Developer:**

* Created application pages creating requests.
* Created entity classes using SPMETAL and utilize CRUD operations on list, document library levels.
* Created modal popups, list xml schema to create lists from Visual Studio 2010.
* Developed reusable sequential workflow for content approvals with custom forms to flow through groups’ approval process.

**As SharePoint Developer/Administrator:**

* Created and configured Smart Request System site collection for project use.
* Created sequential approval workflow with custom forms for taking workflow inputs for different team (like users’ team, coordinator team, template team, territory team etc.)
* Worked on regular SharePoint administrative tasks like backup/restoring site collection/sub sites.
* Taking the site templates to create new site with the same look and feel.
* Developed custom the lists from list definitions xml, Web Parts etc. in visual studio.
* Scheduled maintenance, bug fixings in Share Point.

**Team Size:** 4

**Client:** PwC, US.

**9. Smart**

Developed VSTO plug-in which works as add-ins in Microsoft Word 2007/2010, Excel 2007/2010 and PowerPoint 2007/2010 for PwC branded and customized operations on presentations. Documents or any reports to be brand compliant. It’s entirely built on in .NET 4.0 and Office PIAs. It also helps in certain enhanced out-of-the box functionalities. Works very well with Microsoft COM architecture. SMART gets used in different territories.

**Role**: Application Developer and lead

**Platform:** Client Machines running Windows. VSTO 4

 **Responsibilities**:

My Responsibilities involved from Application development to testing and bug fixes. Also taking triage calls, Client calls for future enhancements. Actively involved on customer support as well with our implementation team.

**Team Size:** 4

**Client:** PwC, US.

**8. Project 77**

This project involves creating different personal finance tools to track, measure the money spent on different aspects and get a real-time guidance on how to improve cash in hands, cash flows, effective spending etc.

**Role**: Application Developer & SharePoint Administrator

**Platform:** Windows Server 2008 R2, IIS7.5, Microsoft Office SharePoint 2007 Technologies, SQL Server 2008, WPF, Silverlight 4, Microsoft Expression Blend 4

 **Responsibilities**:

My Responsibilities involved from Application development to administration.

**As Developer:**

* Created XAML based Silverlight pages and hosted inside html web pages.
* Development involves rich content design in Microsoft Expression blend.
* Working on the transformations and animations, effects on the WPF controls used in the Silverlight application for making the application visually appealing.
* Used RIA services to connect to the backend data and get real time analysis on the money spent or involved.
* Created User Controls for re-use as a navigation.

**As SharePoint Developer/Administrator:**

* Created and configured project 77 site collection for project use.
* Created bug tracking list for tracking and fixing bugs internally.
* Created workflow for different team (like content team, onsite reviewers, offshore review team, content validation team etc.) to check-in check-out on a document, reviewing and passing it to the next team before it can be handed over to the development team to be implemented in the tools
* SharePoint search customization. Defined search scopes, used SharePoint crawled content in the custom web part to find risk word if found in any documents uploaded for the project use to help the respective team so that the document becomes risk compliant.
* Worked on regular SharePoint administrative tasks like backup/restoring site collection/sub sites.
* Taking the site templates to create new site with the same look and feel.
* Working on the lists, Web Parts etc.
* Worked on the custom features in site/list level.
* Scheduled maintenance, bug fixings in Share Point.

**Team Size:** 6

**Client:** PwC, US.

**7. Meeting Room Reservation System**

**Role**: Application Developer

**Platform:** Windows Server 2008 R2, IIS7.5, Microsoft Office SharePoint 2007 Technologies, SQL Server 2008, ASP.NET 3.5, Microsoft ORM (Entity Framework), LINQ to SQL, JQuery 1.3.2

 **Responsibilities**:

My Responsibilities involved from Application development to deployment in production.

**As Developer:**

* Created ASP.NET web forms to be hosted inside a SharePoint site.
* Used Entity Framework to create Model Classes to access data. The purpose of using Entity framework was to handle optimistic concurrency while booking rooms other than easier manipulation of data. We have used the database first approach while using EF.
* Used JQuery for any client side input/data validation, scripting etc.
* Creating Test cases, unit testing on the code.
* Used Microsoft’s latest technology LINQ and LAMBDA Expressions for accessing data instead of writing typical T-SQL queries.

**Team Size:** 2

**Client:** PwC Service Delivery Center.

**6. PwC India Workroom (Collaboration tool built exclusively on Microsoft SharePoint 2007)**

The PwC Workroom i.e. <https://workroom.pwc.co.in> is an external facing collaboration solution for the Global Tax Clients. The tool enables virtual workroom to be set up for teams which allows members to share information and documents. The site offers the below features:

* Information Sharing
* Announcements, discussion forums, news feeds, links to relevant workrooms, delivery project updates, etc.
* Engagement Management
* Engagement reporting, management and tracking of actions, issues, decisions and requests for information.
* Document Sharing and Collaboration
* Document sharing and document reviews by both PwC and clients.
* People and Calendar functionality
* Basic information on engagement teams, and engagement milestones and events.

**Role**: SharePoint Developer and Administrator

**Platform:** Windows Server 2008 R2, IIS7.5, Microsoft Office SharePoint 2007 Technologies, SQL Server 2008

 **Responsibilities**:

My Responsibilities involved from SharePoint development to administration.

**As Developer:**

* Authentication & Authorization
* Used the SharePoint WEB PARTS and created and implemented Custom WEB PARTS.
* Creating EVENT RECEIVER to implement list events like “Item Added”, “Item Adding”, Item updating” etc to cascade the public events to the projects label as per the business requirement.
* Used Microsoft.Sharepoint.dll API for pulling list details, sub-site details, for creating new groups, provisioning permissions, creating site-collections etc.
* Created HTTP Modules for the purpose “Sign in as Different User” as per the business requirements.
* Created SharePoint features as per the business requirements.
* Worked on the design related things like changing core.css as well as in the default. Master, application. Master etc. pages.
* Successfully implemented form based authentication along with Enterprise Directory validation for GUID for site collection and its extended site.
* Created a batch in VB script to modify the site web configuration files in a single click so as to help administrator from committing mistakes modifying the configuration files manually.
* As per the legal requirements I developed a cookie based mechanism to dynamically display relevant Terms & Conditions, General Notices, and Privacy Statements etc based on the type of user logs in the portal.
* Implemented view state encryption, cookie encryption, web.config connection string encryption to enhance security in the workroom portal.
* Configured and enabled RSS Feeds for the site.
* Created Membership Management tool to help support personnel to manage and maintain the form based Membership users. Added lot of functionalities for resetting membership user passwords, lock-unlock a user from the SharePoint site collection, user account expiry etc.
* Developed interface for User creation with the automated mailing system based on the mail templates.

**As SharePoint Administrator:**

* We have used Central Administration site as well as command line tools like STSADM & PSCONFIG to setup and configure new site collections.
* Configured Virtual SMTP Server to enable SharePoint Outgoing mail and alert feature to send mails and alerts from the site to the respective users on changes.
* Created an application to delete users from a site without physically removing the site using Microsoft SharePoint API, created batch to take BACKUP/RESTORE of site collection, ARCHIVING web sites, DELETING web sites in the site collection using the command line tool STSADM.
* Site Deployment without any fail within a very short time.
* Real-time troubleshooting in case of any server related issues.
* Created Registry keys to disable the weak SSL 2.0 in the site to enforce the highest level of security (i.e. SSL 3.0).
* Configured Shared Search Service providers (SSP) for website content crawling and enabling search in the site search center.

**Team Size:** 3

**Client:** PwC, Australia.

**5. Religare Travel (Travel Site for booking flights and hotels)**

Religare Travel is a web solution targeted to the huge client base of Religare (7-8 Lakhs). This web site is focused on Flight and Hotels booking. This application allows the end user to book tickets for Flight and Hotels through the restful web services provided by Cleartrip Travel Services Private Limited in the internet.

Role: Developer

Platforms: Windows Server 2003 Enterprise Edition

**Architecture**

Comprises of 3-tier architecture, Presentation Layer (UI), Business Access Layer and Data Access Layer. Also implemented Service Layer using WCF on top of Clear Trip’s Representational State Transfer (REST) Web APIs

**IIS Request Processing Model**

Worker process isolation mode, IIS 6.0

**Technology used:** Asp.Net 3.5, VB.Net, Asp.Net AJAX, SSIS, WCF, SQL Server 2008, JSON

**Responsibilities:**

* Designing, Development and Troubleshooting of various modules
* Server requirement managements and configurations.
* Developed WCF Service to search, create itinerary, book itinerary along with cancellations and modifications on top of restful web services provided by ClearTrip
* Developed module to sync reference data of local DB with Clear Trip master Data of flight, airlines, airports, and hotel extracted from JSON files.
* Troubleshooting and maintaining.
* Deployment of the applications in UAT/Production server.
* Integrated HDFC Payment gateway for online payments through credit cards.
* Designed and developed the Database and created the table structures and stored procedures and triggers.
* Used SMTP as well as Microsoft Exchange server to send mails.
* Created the complete process of email verifications and mobile number verifications.

**Team Size:** 2

**Client:** Religare Securities Ltd.

**4. Money Manager (online personal finance power tool)**

<http://secure.religareonline.com> is a web application to help analyze, track money in a very efficient way. Through this tool Religare clients can research on their money being invested, spent, track markets etc. Users can upload contract notes, manages finance for their entire family, get news and alerts respective to their investments, view investments in any currency, long term and short term capital gain, easily computes taxes for investments, create watch lists of stocks, viewing charts and reports, automatically adjust for splits, bonus and rights along with uploading of bank statements and credit cards in very secure and safe way.

Role: Project Management, Designing, Development and Troubleshooting

Platforms: Fedora x64bit OS, APACHE, JBOSS and MySQL

**Responsibilities:**

* Server requirement managements and configurations.
* Creating callable SOAP web service in ASP.NET to consume it from Java
* Troubleshooting and maintaining.
* Deployment of the applications in UAT/Production server
* Creation of Single sign-on(SSO) so that single signing can be used in both the websites though they are created in two different technologies (ASP.NET & JAVA)
* Integrated HDFC Payment gateway for online payments through credit cards.
* Designed SSIS packages to provide data feed to the Money manager application and also to make it in synch.
* Used SMTP as well Microsoft Exchange server to send auto mailers.
* Created the complete process of email verifications and mobile number verifications.

**Team Size:** 6

**Client:** Religare Marketing Services Pvt Ltd.

**3. ReligareOnline (Online Share trading and Broking website)**

[www.religareonline.com](http://www.religareonline.com) is a website developed for online trading, marketing, broking and providing customers online tools like Money Manager to help analyze, track their money in a very efficient way. Through this tool Religare clients can research on their money being invested, spent, track markets etc. Integrated Cleartrip API solutions for travel and make the clients get some benefits of getting discounted fares on every travel they book from religareonline website.

Role: Project Management and Development

**Responsibilities:**

 **AS DEVELOPER:**

* Development of UI, Business Logic Layer and Data Access Layer
* Coding
* Stored procedures writing
* Unit Testing
* bug fixing
* Deployment of the applications in UAT/Production server
* Performance Testing and load testing using Visual Studio 2008 Application Center Test tool.
* Optimization of codes for faster page load.
* IIS web gardening and caching for increasing web application performance.
* Designed http modules for compression of data.
* Implemented composite Scripts to bind ajax scripts for optimizing page load time.

**AS DBA:**

* Used SQL Profiler to trace the database activities and thereby troubleshooting database issues.
* Works on most expensive queries. Depending upon the query execution plan, tuned database tables to reduce query execution time.
* Index Defragmentation and reorganizations.
* Created jobs for daily backups.
* Configured “database mail” system for sending alerts, notifications from databases depending upon HDD space, CPU utilizations, Job Status etc.

**Team Size:** 3

**Client:** Religare

1. **MCOE (Marketing center of Excellence)**

Microsoft’s Marketing Campaign Management Process.

Microsoft uses MAPSS (Marketing, Analysis, and Planning & Support System) web based platform to

Plan & allocate Budget across its worldwide Marketing Organizations to create Campaigns &

Activities to sell their products, tracking spend transactions and calculating profits. On the other

Hand CSTAR (Campaign Setup Tracking, Analysis and Reporting) is used to execute the planned

Campaigns, calculating the Wins (Permanent Customers achieved) and reporting.

**Role:** Developer (Sustenance Engineering Team)

**Responsibilities:**

* Development of UI, Business Logic Layer and Data Access Layer
* Stored procedures writing
* Unit Testing
* bug fixing
* Deployment of the applications in UAT/Production server
* Interaction with Production Support Team, Release Team for application deployment on UAT/Production Servers
* To Attend Triage call with Microsoft’s SMEs for resolution of pending Service Requests of customers.

**Team Size: 12**

**Client:** Microsoft

1. **HRS Applications (Accenture Internal)**

Accenture HR group is handling a large database across the globe to track and effectively control the employees’ statistics ranging from employee’s recruitments, tenure in the company, appraisals, capabilities and skills to exit process and many more.

**Role:** C# .NET Programmer

**Responsibilities**:

* Involved in writing stored Procedures and triggers.
* Unit testing.
* Participated in designing UML and Use case diagrams
* Writing test scripts.

**Team Size: 5**

**Client:** Accenture Internal (HR group)

**Achievements**

* In February 2008, was awarded “Rising Star” for my enthusiasm and dedication to the project in Accenture.
* Achieved 525 performance points for showing professionalism and smart work in Accenture.
* Achieved performance bonus for showing hard work, dedication in project in Religare within 6months from joining.
* Achieved performance bonus in PwC for my contribution to the project.
* Ace Awards in Ericsson for significant contribution in project.
* Service excellence award for making METIS a successful project
* Best Contributions award for METIS

**Qualification**

2016 Trained on Microsoft Azure for Development (70-532)

2016 CloudU Certified

2013 Trained on Microsoft SharePoint 2013 & Office 365

2012 Trained on Microsoft InfoPath 2010 and BizTalk Server 2010.

2009 Microsoft Certified Technology Specialist (MCTS) (SQL Server 2005)

2008 Microsoft Certified Professional Developer & Enterprise Application (MCPDEA) Developer (.Net 2.0)

2007 Master of Engineering from Jadavpur University, Jadavpur, Kolkata

2005 B.Tech in Electronics & Instrumentation from West Bengal University of Technology,

**Personal Details**

Sex: Male

Passport P4749016

Marital Status: Married

Date of Birth: 2nd August, 1983

Father’s Name: Mr. Ashoke Kumar Ghosh

Passport Status: Issued

Permanent Address: Cinematala; P.O: Baidyapur; Dist: Burdwan; PIN 713122; W.B

Date: 27/06/2018 (Chandan Kumar Ghosh)